ENGEL

A LEGEND IN RELIABILITY®

2012

ENGEL CELEBRATES 50 YEARS

PRODUCT CATALOGUE

ISSUE 15

LIMITED EDITION 50th ANNIVERSARY ENGEL
Page 2

HILLBILLY® camp oven cooking with Jo Clews
Page 22

New PowerFilm® solar chargers
Page 25

THE ENGEL LEGEND IS BORN

1962

2012

ENGEL CELEBRATES 50 YEARS AS THE LEADING PROVIDER OF PORTABLE FRIDGE-FREEZERS IN AUSTRALIA

In 1962, the Engel legend was born. The first Engel fridges were used by Australian travellers and made to stand up to our tough outback conditions. And they have passed every test! No other fridge-freezer can do what Engel has done for the past 50 years.

Engel fridges are known for their strength and reliability. From corrugated roads to mountain terrain, and the heat of the Australian sun, an Engel will keep working. But what really makes Engel stand out from the rest is its simplicity. Because when you're out in the bush, you want to know you have a product you can rely on. Engel fridge-freezers are trusted for their superb performance and longevity. And the proof is in the testimony of those who've told us their stories of fridges dropping off the backs of trucks and utes - or being involved in car rollovers and collisions - and still performing!

Engel is celebrating by releasing a strictly limited edition 50th anniversary 40 litre model. With the latest Sawafuji electronics including built in battery monitor and digital thermostat control, the LIMITED EDITION Gold Engel fridge freezer will become a must have for anyone with an appreciation for quality. The limited edition gold fridge freezer comes complete with an anniversary edition transit bag.

Find your local Engel dealer online at
engelaustralia.com.au
or phone 1300 302 653.

Hear ET talk about his experiences with his Engel, at engelaustralia.com.au

New electronics

Limited edition transit bag

WHY HAS ENGEL SPENT 50 YEARS AS AUSTRALIA'S NUMBER ONE?

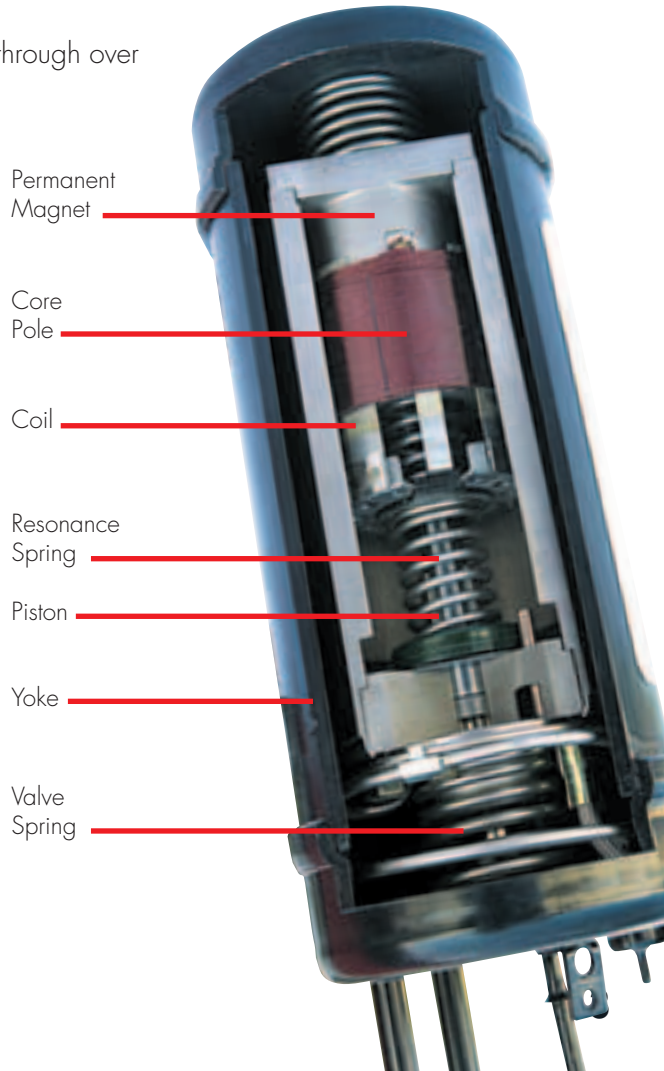
The leading brand for the past 50 years, only ENGEL portable fridge-freezers guarantee to go anywhere. Their reputation speaks for itself. ENGEL's commitment to continuous improvement means that the ENGEL of today is the most reliable, efficient and quietest on the market, full of features to ensure it is easier to use than ever before.

- Exclusive built-in AC/DC compatibility with automatic voltage selection standard on most models
- Unique 'Sawafuji Swing Motor' is the world's most efficient AC/DC compressor and uses less power than any other portable fridge/freezer compressor
- Thermostat control gives reliable, temperature control
- Deep interior for convenient upright bottle storage
- Vents that allow easy storage
- Turbo cooling fan (standard on most models) that boosts performance in confined spaces
- Convenient on/off power indicator
- Fully generator compatible (Automatic voltage regulated only)
- Tough, solid casing for Australia's harsh conditions
- Steel handles (most models) double as tie down points
- Soft, rounded edges protect vehicle interiors
- High density polyurethane walls provide the best insulation
- Excellent resale value
- Backed by a full 3 year warranty, available through over 150 service agents Australia-wide

ENGEL's World Famous Sawafuji Swing Motor

Unique to Engel, this purpose built compressor is purposely designed for portable refrigeration. The Sawafuji Swing Motor is a true reciprocating compressor; and is unique in its simplicity - it has only one moving part.

The piston connects to an electro dynamic device which is powered by the use of magnetic fields. This technology means no need for bearings, cranks or con-rods; and less moving parts means less chance of failure. The compressor is highly efficient and effective. The Sawafuji Swing Motor does not need to perform a full stroke on start up unlike many rotary type compressors; meaning it doesn't have a high start up current draw. Low friction loss adds to its efficiency. The Motor operates at 30 degree angles and on rough corrugated tracks without losing any efficiency, making it the most effective choice of motor for Engel.



ENGELS
FOR AUSSIES ON T

Engel MD14F (14 litre)

The Engel MD14F (14 litre) is a totally portable yet very powerful 12V fridge/freezer for cars, trucks and boats. Carry chilled drinks and perishables wherever you go. It can also be used with a 240V to 12V Engel transformer (see accessories).

Capacity:	14 LITRE (14x375ml cans)
Internal Dimensions (mm):	H210 W350 D190
External Dimensions (mm):	H395 W442 D284
Net Weight:	11.5KG
DC Power Consumption:	Variable from 0.5 - 2.5 AMPS
Power:	12V DC Only

Engel MT17F (15 litre)

Capacity:	15 LITRE (21x375ml cans)
Internal Dimensions (mm):	H230 W290 D200
External Dimensions (mm):	H360 W548 D306
Net Weight:	17KG
DC Power Consumption:	Variable from 0.5 - 2.5 AMPS
Power:	Built-in 240V AC/12V/24V DC

THE GO

Engel MT27F (21 litre)

Capacity:	21 LITRE (29x375ml cans)
Internal Dimensions (mm):	H320 W290 D200
External Dimensions (mm):	H462 W538 D306
Net Weight:	18KG
DC Power Consumption:	Variable from 0.5 - 2.5 AMPS
Power:	Built-in 240V AC/12V/24V DC

Engel MR40F ECLIPSE (38 litre)

The Engel Eclipse is perfect for weekends away and general use for those who don't require the legendary strong steel Engel casing. The Eclipse is built with quality Engel components including the famous Sawafuji Swing motor to ensure ongoing reliability and the light-weight body means the Eclipse is even easier to carry with you as you go.

Features include protective rubber corners and a reversible lid for your convenience. The new Eclipse also fits the genuine Engel accessories and the Eclipse Transit Bag.

Capacity:	38 LITRE (50x375ml cans)
Internal Dimensions (mm):	H360 W386 D266
External Dimensions (mm):	H483 W636 D366
Net Weight:	22KG
DC Power Consumption:	Variable from 0.5 - 2.5 AMPS
Power:	Built-in 240V AC/12V/24V DC

Premium Engel components in a light-weight body

ENGEL LEGENDS

Engel MT35FP (32 litre)

NEW PLATINUM SERIES

This mid sized model is perfect for family sedans, wagons and small 4WD vehicles.

Now quieter with increased capacity, performance and efficiency and with its rugged steel casing this unit is ideal for two or three people.

Capacity:	32 LITRE (44x375ml cans)
Internal Dimensions (mm):	H270 W380 D270
External Dimensions (mm):	H408 W631 D360
Net Weight:	21KG
DC Power Consumption:	Variable from 0.5 - 2.5 AMPS
Power:	Built-in 240V AC/12V/24V DC

NOW WITH A CONVENIENT INTERNAL LIGHT

AUSTRALIA'S NO.1 SELLING PORTABLE FRIDGE / FREEZER

Engel MT45FP (40 litre)

NEW PLATINUM SERIES

The benchmark portable fridge-freezer that other manufacturers try to emulate. Their advertising always compares their product to the Engel 40litre. These comparisons are hollow! When any one of their products has been working in the field for 50 years or more then they can dare to compare! For simplicity, durability, longevity, economy of power consumption and outright strength of construction you cannot go past the MT45FP!

Capacity:	40 LITRE (60x375ml cans)
Internal Dimensions (mm):	H370 W380 D260
External Dimensions (mm):	H508 W631 D360
Net Weight:	24KG
DC Power Consumption:	Variable from 0.5 - 2.5 AMPS
Power:	Built-in 240V AC/12V/24V DC

NOW WITH A CONVENIENT INTERNAL LIGHT

ENGEL BIG FELLAS

Engel MT60FP (60 litre)

Despite this model's large capacity it is still light enough to carry. Great for group excursions, fishing trips and extended touring. Twin storage baskets offer very easy access.

The Engel 60 litre is a must for all serious fishermen.

Capacity:	60 LITRE (80x375ml cans)
Internal Dimensions (mm):	H310 W510 D390
External Dimensions (mm):	H441 W790 D490
Net Weight:	33KG
DC Power Consumption:	Variable from 0.5-4.2 AMPS
Power:	Built-in 240V AC/12V/24V DC

Engel MT60FCP COMBI (57 litre)

ENGEL, Australia's No.1 portable fridge/freezer, introduces the ENGEL Combi 60, the first REAL portable fridge/freezer with the convenience of separate fridge (32 litre) and freezer (25 litre) compartments. The thermostatically controlled fan provides cool air from the freezer section to maintain accurate refrigerator temperature.

Fridge Capacity:	32 LITRE
Freezer Capacity:	25 LITRE
External Dimensions (mm):	H441 W790 D490
Net Weight:	34 KG
DC Power Consumption:	Variable from 0.5-4.2 AMPS
Power:	Built-in 240V AC/12V/24V DC

THE LEGEND GROWS

Engel MT80FP (80 litre)

Engel's BIG fridge/freezer gives you 33% more internal space than the MT60F with only a 120mm increase in height and no increase in power consumption.

Capacity:	80 LITRE (118x375ml cans)
External Dimensions (mm):	H561 W790 D490
Internal Dimensions (mm):	H410 W510 D390
Net Weight:	39 KG
DC Power Consumption:	Variable from 0.5 - 4.2 AMPS
Power:	Built-in 240V AC/12V/24V DC

Engel MT80FCP COMBI (75 litre)

Following on from the overwhelming success of the MT60F - Combi, this model gives over 30% extra internal space with no power consumption increase.

Fridge Capacity:	42 LITRE
Freezer Capacity:	33 LITRE
External Dimensions (mm):	H561 W790 D490
Net Weight:	40 KG
DC Power Consumption:	Variable from 0.5 - 4.2 AMPS
Power:	Built-in 240V AC/12V/24V DC

ENGEL UPRIGHTS

Ten upright Engel refrigerators with the versatility to use in boats, caravans, four wheel drives, motorhomes, campervans, camper trailers, trucks and all types of mobile accommodation.

No more filling of gas bottles and having the inconvenience of running out of gas. These models also use the energy efficient Sawafuji Swing Motor and switch from DC to AC automatically. (excluding the SB47F which is 12V/24V DC only.)

Automatic temperature control make these a breeze to use. Features such as adjustable shelves and door pockets make these an ideal addition to any vehicle.

In addition to these uprights and our renowned range of chest type fridge-freezers there are two units for those who wish to build their own fridge/freezer box or build their own fridge/freezer into a boat, caravan, camper trailer or any mobile situation.

SB47F (40 litre built in)

Affordable, extremely compact built-in refrigerator that will provide more than adequate storage capacity when space is at a premium (12/24v only).

SR48F (40 litre built in)

As for the SB47F but now with built-in 240v.

SR70F (57 litre built in)

Compact, built-in or free-standing fridges with an area for frozen goods, to suit most campervans and yachts. Maximisation of storage capacity allows you to separate beverages and perishables easily. Unique 12/24v to 240v conversion automatically selects mains power when connected.

ST68F(55 litre free standing)

SR90F (80 litre built in)

Large capacity, built-in or free-standing fridges that incorporate a separate freezing compartment. Cleverly designed to fit into confined spaces in caravans and boats. Unique 12/24v to 240v conversion as for SR 70 and ST68.

ST90F(80 litre free standing)

(PICTURED)

CONTENTS OF FRIDGES DISPLAYED NOT INCLUDED

ENGEL UPRIGHTS

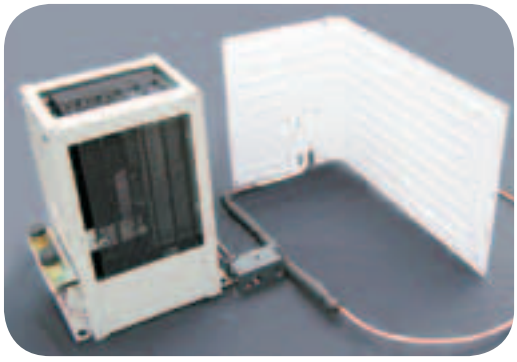
STF100F (Freezer)
STR100F (Refrigerator)

At last Engel have developed two new additions to the 'Upright' range, with the introduction of the new 95 litre 'All Fridge' and 95 litre 'All Freezer' side by side models (sold separately).

Engel SCQT5407E (Pictured)

Designed to convert any icebox to an electronically refrigerated box. The fan cooled compressor/condenser unit can be located up to 3 metres from the ice-box making it ideal for motorboats and yachts.

Net Weight: 15kg
Power: built-in 12V/24V/240V
DC Power Consumption: Variable from 0.5 – 3.5 Amps



UPRIGHT FREESTANDING

Model	ST68F	ST90F	STR100F	STF100F
Storage Vol (Lt)	55	80	95	95
Height (mm)	547	780	786	786
Width (mm)	450	520	531	531
Depth (mm)	548(505)	548(505)	579	579
Weight (Kg)	20	28	31	35
Power Supply AC DC	240V 12V/24V	240V 12V/24V	240V 12V/24V	240V 12V/24V
DC Power Consumption	Variable from 0.5-2.5Amps	Variable from 0.5-2.5Amps	Variable from 0.5-3.3Amps	Variable from 0.5-4.8Amps

UPRIGHT BUILT-IN (for Camping & Boats)

Model	SB47F	SR48F	SR70F	SR90F
Storage Vol (Lt)	40	40	57	80
Height (mm)	531(518)	531(518)	530(518)	770(747)
Width (mm)	423(385)	423(385)	506(467)	560(527)
Depth (mm)	510(447)	510(447)	586(523)	548(491)
Weight (Kg)	15	15	22	24
Power Supply AC DC	12V/24V	240V 12V/24V	240V 12V/24V	240V 12V/24V
DC Power Consumption	Variable from 0.5-2.5Amps	Variable from 0.5-2.5Amps	Variable from 0.5-2.5Amps	Variable from 0.5-2.5Amps

* Figures in brackets above refer to cutout dimensions required

HODGY'S TIPS

GEARING UP FOR YOUR TRIP

David Hodge aka Hodgy, appears Nationally at shows and events presenting lure casting tricks, sharing his fishing knowledge and tips.

Get the right gear to suit your needs

While we all look for that new buzz in life and the chance to find something new, exciting, unbelievable, beautiful or just different in this big country; the journey can take you to some amazing places. I've been so fortunate in my life to have experienced some really special, nature rich environments, but they're very rarely next to the highway or in the park down the road. Generally, the more effort you put into travel and greater the distance you get between you and suburbia, the more special the whole experience.

These days, remote travel doesn't mean you may have to live off jerky, muesli bars, Goannas, Grubs and water. Camp cooking books and adventure DVDs by legends such as Malcolm Douglas, who was and still is my hero, and companies such as Hillbilly Camping gear, who have a 200 recipe camp oven book, take all the guess work out so amazing meals can be whipped up with confidence.

Long trips mean meat such as lamb, beef, pork and chicken roasts need to be kept frozen - and obviously an Engel fridge is the best choice. But for trips that are only 3 or 4 days long, the new generation of Poly eskies are as good as ice boxes get and keep things more than cold enough. Inner and outer skins, bungs, hinges, handles and seals are all top notch and built to take a real flogging. Even someone as "heavy" as me can use it as a seat without worrying about warping or twisting it.

Not everywhere sells block ice, and I tend to make mine in the freezer at home with old 2 litre juice bottles, or ice cream containers and put a few on the bottom. Beers that need to be dead cold are then nestled on top of the block ice and a couple of bags sprinkled amongst them, and then tucker on top. This lasts much longer with the additional blocks. In fact I've got up to a week out of the above system. Ice slurries for keeping fish fresh are noticeably slower to melt, considering the air seals are so effective, and the inners of the skins are void of air pockets or bubbles.

Obviously, less expensive usually means lesser quality, so that $50 special at the super market is going to cost you much more in ice and wasted food if the inevitable happens and the food goes off. Confidence in your equipment is as big a concern as any other part of travel and camping, and apart from your vehicle, water and swag, the most important thing to make sure is up to scratch is the refrigeration or food cooling system. Once a day, tilt the esky up so that any water gravity feeds towards your "bung hole" and drains. This will make sure ice is at its coldest. Water will melt ice quicker so it's important to get rid of it every day.

So while my Engel Eclipse is a valuable part of my kit for long term travel, my Engel esky is just as important for the shorter trips and for keeping fish in slurries. Often both are taken if the main ambition is to top up on top class fillets for the table at home. Only fish that are needed for the immediate future are taken, and fish that have been frozen for more than around two weeks, in my opinion, are inferior eating. This also means that I "have to" go fishing when the fillets run out too! Ahhhh, the things we have to do hey!

Get out and enjoy this country, and remember to gear up properly, stay safe and tread lightly.

Dave (The Barefoot Fisherman) Hodge

TRAVELLING WITH YOUR ENGEL

Travelling Tips

For safety have your Engel secured to your vehicle with an approved fixing device (see accessories). Have an auto electrician check that your accessory plug is the correct amperage and if your outlet is at the rear of your vehicle ensure that at least a 6mm of cable has been installed.

Ensure your Engel has plenty of ventilation. Place your Engel facing one side of your vehicle so that other equipment can't block the ventilation.

Be aware that your vehicle battery may not provide enough power to start your vehicle after running your fridge/freezer for extended periods (see accessories).

TRIP PREPARATION

A quick getaway or the trip of a lifetime with your Engel means you want to be able to throw some food in the Engel and head off at a moments notice.

For a short break the amount of planning required is usually minimal - just grab some gear and food and you're off! The spontaneity almost says no planning required. If you have forgotten something it doesn't matter, either grab it at the shop or go without it. The reverse happens for the big trip as you could be miles from anywhere and the detail in the planning will really pay off. The most important thing is to make a list a few weeks before you head off and pre pack as much gear as possible and compartmentalise everything in storage bags or containers so you can find everything easily - eg. kitchen gear in one container, dry food in another.

There are a number of options on how to keep your food on a trip. Personal preferences on food type, space in your vehicle, whether you're travelling in a group, length of your trip and availability of shops to name just a few. The main choice with an Engel is whether to use it as a fridge or a freezer.

FRIDGE OR FREEZER

When travelling on a long trip you may wish to keep your Engel as a freezer and utilise an esky or ice box to keep your days food. Use your Engel to freeze ice bricks and then transfer to the cooler. To maximise freezing performance pack meat into meal size containers and store, ensuring adequate airflow around each container.

TRAVELLING WITH FRIENDS

If you're travelling with a friend, who has an Engel, and you are cooking meals together, you can plan menus so that you can run one Engel as a fridge and the other as a freezer - or even better, one of the latest technology combination fridge-freezers, for those who have the space to carry the MT60F-Combi or the MT80F-Combi. Separate fridge and freezer compartments make both units a breeze to operate.

EXTENDED STAYS

If you're planning to stay in the one spot, store your Engel in cool locations; preferably a shady place were there is a breeze. Having an Engel transit bag also assists in the efficiency of the unit in extreme temperatures.

If you're using a generator make sure the leads are kept dry. You can turn off the generator overnight safely without damaging the food as long as you don't open the unit too often.

FOOD STORAGE

When packing your vehicle always keep in mind things that you need most frequently. Have a kitchen box and your Engel conveniently placed so you have ready access to food. Also ensure that your Engel and other storage items are secure in case of an accident. Engel has a range of sliding and locking systems that suit most needs.

PORTABLE POWER FOR YOUR ENGEL

ENGEL BATTPAKS

28 & 56 AMP HOUR

The Engel Battpak is a portable deep cycle dual battery system for powering your Engel Portable Fridge - Freezer and Accessories, in & out of your vehicle.

- The BATTPAK is designed for use primarily with the range of ENGEL portable fridge-freezers, but can be used with almost all portable fridge-freezers and a large variety of 12 volt appliances.
- The BATTPAK is designed to be charged via the 12 volt charge lead supplied.
- Press the MOMENTARY button on the control panel of the BATTPAK and the volt gauge will indicate its state of surface charge.
- The BATTPAK is a maintenance-free rechargeable sealed lead-acid battery.
- Your BATTPAK will operate in any direction or position without leakage and at temperatures between -20°c & +50°c.
- The BATTPAK 28 has 2 Outlets. One 12 Volt Cigar plug, and one ENGEL POSI FIT Socket.
- The BATTPAK 56 has 3 Outlets. One 12 Volt Cigar plug, one Hella plug and one ENGEL POSI FIT Socket.
- All Outlets are fitted with ON/OFF rocker switches and are fused at 15 Amps.
- The BATTPAK should always be recharged after use.
- The BATTPAK batteries have a life of between 300 and 400 charge cycles.

MOMENTARY BUTTON

GREEN	13V to 13.4V	Fully Charged
ORANGE	9V to 13V	Normal
RED	0V to 9V	Requires Charging

BATTPAK28(mm):

H285 W190 D200 Weight 14kg

BATTPAK56(mm):

H285
W190
D380
Weight 26kg

OPTIONAL ACCESSORIES: 12VDCBATTCHARGER

The Engel 12VDCBattcharger is an electronic battery charger designed to charge Lead Acid Batteries from a 12 volt DC Battery. The charger uses a unique boost charge feature, stepping up to a charge rate allowing the auxiliary battery to properly charge and with its voltage sensing feature ensuring the main battery charge is not depleted while the vehicle is not running. The12VDC Battcharger will charge your BATTPAK at up to 10 Amps.

CHARGING FROM CHARGE LEAD SUPPLIED

The LED will flash when charging is in progress and will TRICKLE charge your BATTPAK at approximately 2 to 4 Amps. The rate of charge will drop as the level of charge increases.

CHARGING WITH 240 VOLT / SOLAR PANELS

We recommend a 6 to 8 Amp Automatic (floating and regulated) type 240 Volt mains battery charger. You will need to purchase a male single pole Hella plug to replace the alligator clips supplied with the battery charger, making sure the red lead is positive and the black is negative. Solar Panels can be used to charge your BATTPAK but must be regulated, with a maximum output of 8 Amps.

TRI VOLTAGE

All Engel fridge-freezers (excluding MD14E chest & SB47 upright) have an inbuilt tri voltage (12/24/240v) power supply which allows you to operate from either car accessory sockets or mains power without the need for an adaptor.

Although Engel has the lowest power consumption of any portable fridge/freezer on the market, operating for extended periods off your car battery could lead to a flat battery. Therefore alternate power sources may be sought. If you are on the move, careful management of your battery power can allow you to successfully enjoy a holiday with one battery.

Options for reserve power include dual battery systems, Engel Battpaks, solar panels or a generator.

OPTIONS

DUAL BATTERY SYSTEM

This is one of the most common systems to provide back-up power for your Engel.

Usually a deep cycle secondary battery is fitted that will give hours of running time when your vehicle is not in use. This allows your primary battery to remain fully charged. The systems available now are generally fully automatic so as soon as you start your engine the secondary battery begins to charge.

GENERATOR

When you want to stay indefinitely in the one spot it is best to invest in a portable generator or a solar panel system. Engel fridge-freezers have such minimal power consumption even a small generator will do the job. And now most of these generators are whisper quiet and guaranteed not to annoy the neighbours.

ENGEL DIESEL POWERED GENERATORS

SHX8000DI - 7.5Kva
SHT15D - 15Kva
SHT25D - 20Kva

Ideal for onsite power, backup power for business, farms etc - the possibilities are endless!

SHX 1000 GENERATOR

Ideal for caravanning and camping, this little jem will run lights, TV's, DVD's, VCR's, a stereo, cooling fans, power tools, and of course your ENGEL fridge / freezer (E-series and F-series). Compact and light enough to be taken just about anywhere. Maximum 240 volt AC output 1000 watts. With a built in 12 volt DC output terminals for charging 12 volt batteries with a maximum of 8.3 Amps. Powered by an air cooled 4-stroke OHC engine (model# GXH50) Using unleaded fuel, with a 3.8 litre tank that will run up to 8.6 hours at 1/2 load or 5.5 hours at full load. With the option of silent mode or power mode, the sound level is only 58dB (1/2 load / 7m). 12 Month Warranty (commercial use). 24 Month Warranty (private use).

External Dimensions (mm):	L 465 W26 H380
Net Weight:	14KG
Power:	12 volt DC charging terminals 240 volt AC single outlet

TRANSIT BAG

EGC 1000

(Suits SHX 1000)

PORTABLE SOLAR CHARGING KIT (SPK80W)

Kit includes 80 watt folding panel kit, Integrated metal stand, in built charge regulator, 5m cable for direct connection to battery, padded storage/carry bag and 20 year warranty (cells only).

Max Output:	4.66A
Max Voltage:	21.5vdc
Dimensions Open(mm):	H641 W1028 D35
Dimensions Folded(mm):	H641 W541 D70
Net Weight:	10KG

GET MORE OUT OF YOU WITH APPROVED

To make your Engel portable fridge/freezer a pleasure to own we have included an extensive range of quality Engel approved accessories. These will make your Engel portable fridge/ freezer easier to use, will improve performance, provide further protection and offer greater versatility.

ENGEL TRANSIT BAG

This zip-up insulated cover protects your fridge/ freezer from all those bumps, scratches and helps the fridge perform in hot weather while increasing 'cold hold down' time overnight. The bag incorporates two storage pockets, one for the cords and the other for the Engel Digital Thermometer.

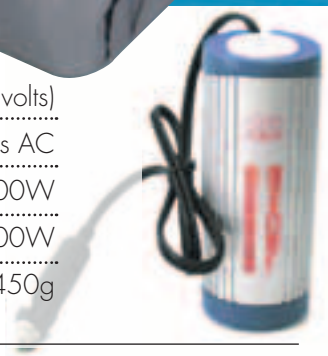
ENGEL TRANSIT BAG FOR ECLIPSE

Designed specifically for the Engel Eclipse, this innovative new transit bag is lightweight and durable with a modern finish. Perfect for protecting the exterior of your Eclipse and providing extra insulation on those hot summer days.

ENGEL CANVERTER

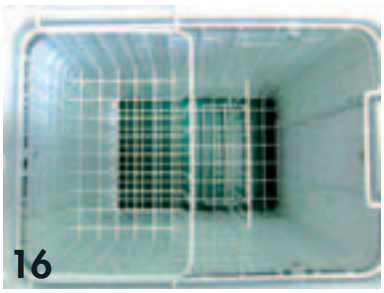
The all new ENGEL Canverter is designed in the shape of a drink can to fit easily into a car's drink holder. Plug into the cigarette lighter and run appliances with a rating of up to 100W. Lightweight and compact with a 1 year warranty.

Input Voltage:	12 volts DC (10-15 volts)
Output Voltage:	240 volts AC
Continuous Output:	100W
Surge Output Power:	200W
Weight:	450g



ENGEL STORAGE BASKETS & SEPARATOR FRAMES

These plastic coated baskets provide easy access to contents and protect small items. Vertical separators keep bottles upright.



ENGEL BATTMAN 150

Dual Battery Management System (12v)
Full protection for systems up to 150 amps. Built-in spike protection, battery isolation and automatic recharge control.

ENGEL BATTERY MONITOR

(12v)

Automatically shuts off the fridge when battery charge drops below a set voltage. Includes charge meter. BM12 10.5v or 11.5v BMIL 11.5v.

R ENGEL ACCESSORIES

ENGEL 240VAC BATTERY CHARGER

Fully floating battery charger suitable for charging Engel Battpaks from mains power. Available in 3.5 and 6 amp.

ENGEL 12VDC BATTERY CHARGER

The 12VDCBattcharger is an electronic battery charger designed to charge Lead Acid batteries from a 12 Volt DC vehicle battery. The charger uses its unique boost charge feature, stepping up to a charge rate allowing the auxiliary battery to properly charge. With a voltage sensing feature via the ignition circuit, this ensures the main battery charge is not depleted while the vehicle is not running. It is universally suited to all 12 Volt Negative Earth electrical systems in vehicles, boats, caravans and mobile homes.

ENGEL BPAN

Fail safe, 'Posi-fit' plug connection with switch, improves electrical efficiency in rough terrain. The ultimate connection with 3 metre cord.

ENGEL ASPAN or ENGEL APAN

'Posi-fit' plug connection. Available with either 30cm cord (ASPAN) or 4metre cord (APAN).

ENGEL P-PANEL

Surface mount panel with Engel socket and 12 volt LCD volt meter complete with housing.

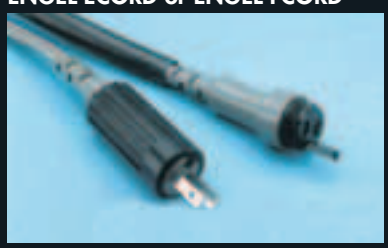
ENGEL O-PANEL

Surface mount double panel. Engel socket and cigarette socket complete with housing.

ENGEL N-PANEL

Surface mount Engel socket complete with housing.

ENGEL ECORD or ENGEL FCORD



'Posi-fit' Extension Cords allow ease of movement outside vehicle. 1 metre cord (ECORD) or 2 metre cord (FCORD) available.

ENGEL TIE DOWN BRACKETS

Engel Tie Down Brackets are the ideal way of securing your Engel portable fridge-freezer to existing vehicle tie down points.

ENGEL POWER INVERTER

(150&350W)
Portable modified Sine Wave Inverter, 12 volt DC to 240 volt AC. Designed for powering 240 volt appliances, the unit is ideal for TV's, DVD players and charging mobile phone and camera batteries.

ENGEL THERMOMETER

This dashboard display unit provides both outside ambient and inside fridge-freezer temperatures with a new remote wireless sensor that sits inside your Engel.

ENGEL STEP DOWN CONVERTER

(NOT PICTURED)
Converts 24 volt DC to 12 volt DC. This is the safe way to use 12 volt accessories off your 24 volt system.

ENGEL MERCHANDISE

Engel Beanie
EDBEANIE

Engel Mug
EDMUG

Engel Cap
EDCAP

Engel Stubby Holder EDSHOLD

Engel Glass Tumblers
(Set of 6) EDGLASS

Engel Camping/ Fishing Chair
EDCHAIR

Engel Golf Umbrella
EDUMB

Engel Cooler/ Fishing Bag EDBAG

Engel Gas Camping Stove
EDSTOVE

Small and lightweight Engel's portable butane gas stove comes with storage case and safety governer system. Ideal for indoor/ outdoor use on picnics and for camping trips.

*Butane canister not included

Engel LED torch
EDTORCH

Engel Wallet
EDWALLET

50th Anniversary Playing Cards
EDCARDS

Engel Lock and Lock Pack
OVERNIGHTER, DISCOVERY and TOURER

"Lock & Lock" stackable airtight containers. Absolutely 100% air & liquid tight. Dishwasher & Mircrowave safe. Ideal for all models of Engel fridge-freezers new and old. Three differently sized packs available - Overnighter, Discovery and Tourer packs.

Engel Picnic Set
EDPICNIC

This handy new Engel picnic set comes complete with cutlery, plates, mugs, cutting-board and more, which all packs away neatly into a tidy backpack.

Engel Tent
EDTENT

Two man, dome style pop-up tent.

ENGEL THERMOS

Thermo Engel
TE08 (8 litre) & TE15 (15 litre)

The Engel Thermoelectric cooler/warmer's give travelling and work a higher level of comfort and convenience.

Features include cooling performance up to 22 degrees below ambient temperature and warms up to +65 degrees Celsius, great for keeping food warm or cold while travelling. Light weight they are ideal to take along for picnics and road trips, with a secure seat-belt slot for fastening they also make a great armrest when used on the back seat. Easy to open with a magnetic lid the Engel Thermo includes twin can holders, shoulder strap and DC cord. 12 Month Warranty included.

SPECIFICATIONS	TE08	TE15
Capacity (Lt):	8 Lt	15 Lt
External Dimensions (mm):	H260 L440 D205	H300 L560 D280
Net Weight:	3KG	5KG
DC Power Consumption:	4 AMPS	4.5 AMPS
Power:	12 Volt DC only	12 Volt DC only

A 240VAC to 12VDC adaptor available (part no TEACA)

Engel Poly Boxes
PB60, PB90, PB150

The Engel Poly Box is a super tough roto-moulded icebox that keeps ice for days. Available in three sizes - 60, 90 and 150 litres.

SPECIFICATIONS

Model	Capacity	Weight	External Sizes			Internal Sizes		
	Litres	KG	H	W	L	H	W	L
PB60	60	9	385	415	820	295	308	660
PB90	98	13	420	495	975	320	379	812
PB150	153	19	540	590	1050	418	443	827

Other sizes arriving soon.

ENGEL FRIDGE SLIDES

515 SLIDE

Overall Dimensions

Height	60mm
Length	640mm
Width	410mm
Extension Distance	**390mm**

Tray Dimensions

Height	20mm
Length	550mm
Width	305mm
Nett Weight	**9.5kg**

Suits 15 and 21 litre ENGEL

525 SLIDE

Overall Dimensions

Height	60mm
Length	640mm
Width	350mm
Extension Distance	**390mm**

Tray Dimensions

Height	20mm
Length	550mm
Width	235mm
Nett Weight	**8.5kg**

Suits 21 litre ENGEL

530/540 SLIDE

Overall Dimensions

Height	60mm
Length	735mm
Width	500mm
Extension Distance	**470mm**

Tray Dimensions

Height	20mm
Length	645mm
Width	390mm
Nett Weight	**11kg**

Suits 29 through 40 litre ENGEL

560 SLIDE

Overall Dimensions

Height	60mm
Length	880mm
Width	605mm
Extension Distance	**650mm**

Tray Dimensions

Height	20mm
Length	805mm
Width	500mm
Nett Weight	**16.5kg**

Suits 57 through 80 litre ENGEL

560 X SLIDE

Overall Dimensions

Height	60mm
Length	920mm
Width	600mm
Extension Distance	**440mm**

Tray Dimensions

Height	20mm
Length	805mm
Width	500mm
Nett Weight	**16.5kg**

Suits 57 through 80 litre ENGEL

FEATURES

- Solid powder coated steel construction
- Heavy duty roller bearing slider
- Quality fittings & components
- Lock-in and lock-out features for added safety (except 525)
- Fully mountable
- Turn-buckle & brackets for securing fridge to tray
- Made exclusively in South Africa for ENGEL

ENGEL TRANSIT SLIDE LOK

The easy way to secure your Engel portable fridge-freezer in your vehicle. Available to suit MT17 to MT45.

RON MOON'S OUTBACK TRAVEL TIPS

1 For a day trip along the beach close to home or for a longer journey whether that's a year long extravaganza around Australia or the world, prior preparation and planning will always help you overcome any difficulties and unplanned occurrences.

2 Ensure your vehicle battery and the auxillary battery are in tip top condition when you leave on a trip so you'll have no problems keeping the food cool and the beer cold in your Engel fridge. Batteries mounted close to an exhaust or turbo really suffer from the heat and will need to be replaced more often!

3 What's best? A solar panel kit or a small generator? Both have advantages and both will help keep your Engel Fridge running when you are stopped for days on a magical beach or desert waterhole. Solar panels aren't great when its cloudy and need to be kept pointed at the sun to be most efficient. Generators need to be kept supplied with fuel and can be a little noisy but will consistently provide more power to the battery as well as run power tools and a lot of other electrical equipment apart from the Engel fridge.

4 When heading bush always carry a jerry can of water for both you and your vehicle. It is better to carry water in a couple of smaller containers than in one big one. Never leave home without it!

5 Never join two snatch straps by using a D-shackle. If one strap breaks you'll have a deadly missile flying through the air, which can easily punch through a window, sheet metal and/or kill someone.

6 A good remote area first aid kit should be in every vehicle when you head off on a trip. There should also be someone who knows how to use it and preferably, someone who has done a St Johns first aid course (see: www.stjohn.com.au). The life that could be saved could be yours or your loved one.

7 Don't try and save money by taking the shoddiest set of tyres bush. It's not only unsafe when you are travelling at high speeds on bitumen and dirt roads, but in four wheel drive country you'll have a lot less traction and get more punctures – remember, 90% of punctures occur in the last 10% of a tyre's life. And replacing tyres in a country town is always dearer than buying tyres in a major city!

8 Always carry basic recovery gear – a long-handled shovel, a jack and jacking plate, an axe, a snatch strap and a couple of D-shackles. Ensure the D-shackles are rated with a 'safe working load' (SWL) and that your snatch strap is in good condition.

9 Tyre pressures (measured when cool) are the single most important thing to be aware of when four wheel driving. In a normal 4WD vehicle with 15 to 17 inch tyres loaded for a trip on the bitumen, tyre pressures should be around 36psi (250kPa). On dirt roads lower tyre pressures to around 30-32psi (210kPa- 225kPa). When on a rough 4WD track for the best traction lower tyre pressures to 24-26psi (165kPa-180kPa). When heavily loaded for a desert crossing similar tyre pressures will be required. On a beach, start of at 18-20psi (125kPa-140kPa). You'll be able to go lower if you get bogged, but be very careful if you are down to 12psi (85kPa) or so. Always carry a tyre gauge and a good compressor.

10 Lastly, a satellite phone or a HF radio, or one of those new fangled gadgets, a satellite GPS Messenger called, 'Spot' (see: www.findmespot.net.au), will allow you to tell people where you are and how you are in case of an emergency. Somebody in your group should have one – normal mobile phones and UHF radios very often don't work where 4WD adventurers go!

NEW FROM ENGEL
POWERFILM® SOLAR

Fold it. Roll it. Attach it. The choice is yours.

One of the most innovative new products on the Engel range is taking Australia by storm!

The new release PowerFilm® Solar Chargers are going to change the way Australians enjoy their camping trips. The product is revolutionary because of its strength and durability, its portability and its efficiency.

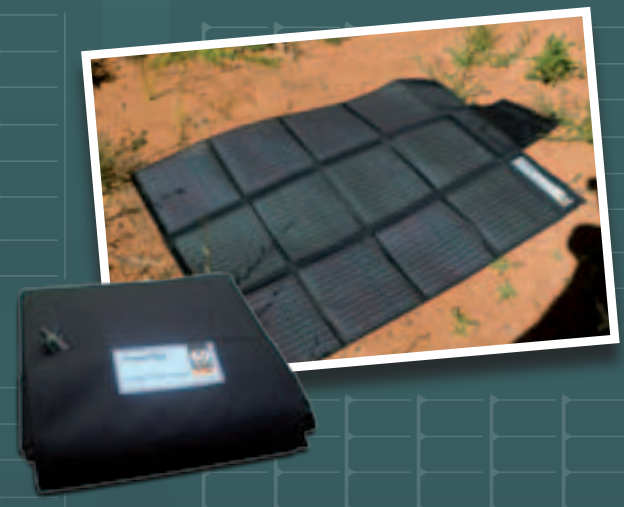
Foldable Solar Chargers

PowerFilm® Foldable Solar Chargers are the lightest, most compact, and most portable solar solution for remote, expeditionary power needs. PowerFilm® Foldable Solar Chargers come in a wide range of power output configurations and varying capacities, for charging all types of batteries including car, boat, caravan, cell phones, satellite phones, even laptops. A full line of supporting accessories are available.

Features:

- Designed to absorb light even during low light conditions.
- Highly durable and resist point damage extremely well.
- Unlike crystalline solar cells that are prone to shattering, PowerFilm® Solar modules are flexible and designed for reliability.

Accessories Included
Using the Foldable Solar Charger is made easy with the included 12 V female barrel adaptor. Plug in 12 V compatible devices to the solar charger directly.



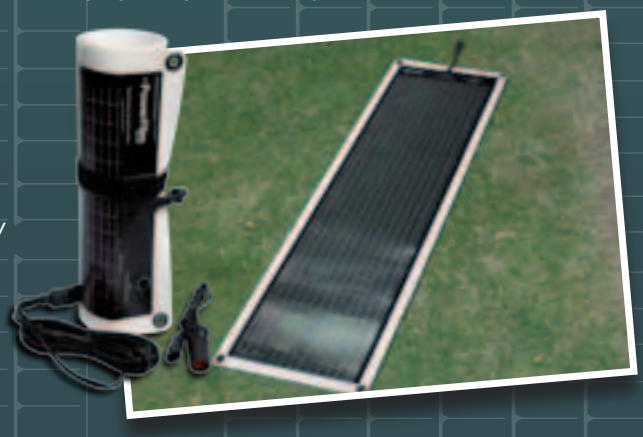
Rollable Solar Chargers

PowerFilm® Rollable Solar Chargers are manufactured with a proprietary roll process that produces a thin film solar panel with best-in-class flexibility. Built with the same technology that goes into every PowerFilm® solar module, the Rollable Solar Charger line is extremely durable, lightweight, and easily integrated to provide power for a number of charging applications.

Features:

- Designed to absorb light even during low light conditions.
- Fully waterproof and constructed with marine-grade connectors to provide a portable solar solution for marine environments
- Highly durable and resist point damage extremely well.

Accessories Included
Using the Rollable Solar Charger is made easy with the included 12 V female barrel adaptor and 15' O-ring terminal extension cord. Plug in 12 V compatible devices to the solar charger directly or hook the solar charger to a 12 V battery for trickle charging and power storage.



CHARGERS

USB+AA Solar Charger

Go from fully spent to fully charged in just four hours (in direct sun conditions). In additon to battery charging, utilising the universal USB port and working with two rechargeable batteries allows for direct charging of most small USB devices, like cell phones, smart phones, and iPods.

Features:

- Designed to absorb light even during low light conditions.
- Very compact and lightweight. Weighs just 4.9oz.
- Includes 2 rechargeable NIMH batteries

The perfect partner. Perfectly efficient.

Engel's swing motor simple operation saves your battery reserves. It draws a maximum of only 2.5 amps and operates as low as 0.5 amps, meaning longer running time between charges.

Critically, an Engel will keep working as low as 10 volts. This makes a PowerFilm® Solar Charger the perfect partner for your Engel fridge freezer. Just plug in your PowerFilm® charger, and your Engel will run.

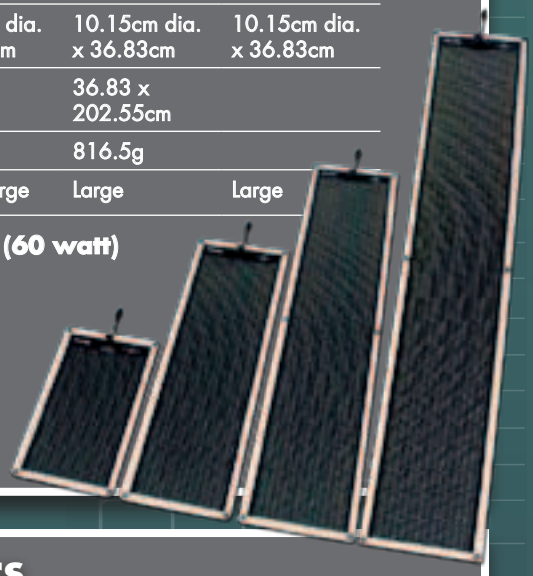
POWERFILM® SPECIFICATIONS

PowerFilm® rollable chargers

MODEL	SPR7	SPR14	SPR21	SPR28	SPR60
Wattage:	7	14	21	28	60
Operating voltage:	15.4	15.4	15.4	15.4	15.4
Rolled dimensions:	10.15cm dia. x 36.83cm	10.15cm dia. x 36.83cm	10.15cm dia. x 36.83cm	10.15cm dia. x 36.83cm	10.15cm dia. x 36.83cm
Unrolled dimensions:	36.83 x 58.5cm	36.83 x 106.7cm	36.83 x 154.3cm	36.83 x 202.55cm	
Weight:	267.5g	444.5g	644.1g	816.5g	
Size of electronics:	Small	Small - med	Small - large	Large	Large

Also available: SPR42WRV (42 watt) and SPR60WRV (60 watt) models for recreational vehicles.

All models include accessories RA-2 and RA-11



PowerFilm® foldable chargers

MODEL	SPF5	SPF10	SPF20	SPF30	SPF60
Wattage:	5	10	20	30	60
Operating voltage:	15.4	15.4	15.4	15.4	15.4
Folded dimensions:	8.4 x 26.7 x 2.5cm	8.9 x 26.7 x 3.3cm	16.5 x 27.9 x 2.5cm	24.1 x 27.9 x 2.5cm	9.5" x 27.9 x 5cm
Unfolded dimensions:	26.7 x 62cm	53.3 x 60.2cm	80.5 x 76.2cm	80.5 x 104.9cm	109.2 x 149.9cm
Weight:	204g	331g	576g	798g	1447g
Size of Electronics:	Small	Small - medium	Small - large	Small - large	Small - large

All models include accessory RA-2

INSTANT POWER PowerFilm® Foldable Solar Chargers DO NOT require any sun-soaking prior to use

Also available:

SPAK2	Solar charger adventure pack
SPRA9	Solar charger controller

Plus:

A full range of PowerFilm® accessories. For full details, visit **engelaustralia.com.au** and follow the links to products > solar.

CAMP COOKING WITH JO CLEWS

I've been cooking for almost as long as I can remember, from standing on a wooden box as a small girl making butterfly cakes in my Grandmother's house to catering out of the back of my old Range Rover for 50 people on top of the Kennedy Ranges.

I write for Western 4WDer Magazine and work in a number of regional and remote areas of WA. Say hello when you're at the 4WD and Adventure Show in Perth, Sydney or Adelaide, where I'll be demonstrating outback cooking. Pick up some of my recipe cards while you're there - here's a sample to get you going!

FABULOUS FLAT BREADS

A multitude of magnificent meals can be created from this very easy recipe.

Flat breads are simple to make and a great alternative to carting around loaves of bread that take up room, go stale and get squished in the tucker box. At about 25 cents each they're cheap and everyone loves them. What's more, they taste much better than any shop bought bread.

You'll need a sachet of bread mix. I usually get a box that has four plus its own yeast. There are various brands available in the flour section of most large supermarkets.

Make the dough according to the instructions on the box for making a handmade loaf being careful not to make the dough too wet. I usually don't add all the suggested water unless needed.

Combine the bread mix, warm water and yeast with a butter knife in a large bowl. Once ingredients are combined turn mixture out onto a floured surface and knead the dough until it's smooth and elastic.

Here's a shortcut: make your flat breads straight away and don't bother letting the dough rise. I've never noticed much difference in the the end result.

Divide the dough in half and roll one half into a 20cm log. Cut it into 4cm chunks, then repeat with the other half so you end up with about ten small pieces of dough.

Shape the pieces into discs and roll flat. Most of us don't travel around with a rolling pin so a beer bottle or wine bottle will do the trick.

Place the rolled dough in a large dry frypan over medium heat. As well as the trusty camp oven (which I wouldn't be without), Hillbilly make some terrific camping frypans and cook stands which are perfect for the job. Cook for 2-3 minutes or until you see little bubbles appear on the surface. Flip on to other side and cook for further 2-3 minutes. Repeat with the rest of the dough until all are cooked.

Once you've made your bread, the possibilities are endless. Bacon and egg breakie wrap, cold meat and salad lunch wrap, kebabs, cheese toasties, smoked salmon cream cheese and caper rollups, pizza bases...I could go on. I'm sure you have some great ideas of your own!

GETTING THE MOST OUT OF YOUR HILL

People often ask me to name the one piece of kit I would never consider going camping without. I'd have to say, it's a pretty tough call between my Engel and my Hillbilly camp oven.Between the two, I have everything I need to chill the things that need chilling, and heat the things that need heating. Really, what more could a discerning camp cook ask for?

Cooking with a Hillbilly couldn't be easier. The best thing is that, unlike cast iron ovens, a Hillbilly doesn't generally need to be pre-heated. Pop it over some good hot coals and you're cooking - literally!

Here are a couple of my favourite ways to put my Hillbilly to good use.

CHEESY BEER DAMPER BITES

Perfectly cooked damper - golden and crunchy on the outside, soft and hot on the inside - is a thing of great pride. And, yes, it's also thing of great skill as well (as my many failures over the years show!) My number one tip: go smaller rather than larger. Learning this has vastly improved my success rate!

You'll need:

- 4 cups of self raising flour.
- 1 bottle or can of your favourite beer. Aprox. 350ml.
- 100g tasty cheese cut to a small cube.
- 1 tspn dried chives.
- 1 tbsp olive oil.

BILLY® CAMP OVEN

What to do:

1. Measure flour into large mixing bowl, make a well in the middle and add the chives, oil and cheese. Pour in the beer and mix ingredients together with a butter knife until combined.
2. Turn out onto a floured surface and shape into a 3-4cm flat disc. Don't knead your dough as all the air will be compressed and your finished product will not be soft and light.
3. With a sharp knife or scone cutter, cut dough into smallish squares or diamonds, or circles. Place pieces onto a tray that will fit in your camp oven. If you are using a cast iron oven it will need to be pre-heated, but a Hillbilly it can be used from cold.
4. Place a good shovelful of coals on the ground away from the main fire. Place your Hillbilly on the coals with a low trivet in the bottom, put the damper pieces in and cover with the lid. Add a couple of shovelfuls of coals on top of the lid and let cook for about 15 minutes. Because the pieces are small it allows for the hot air in the oven to circulate and cook them evenly and quickly.
5. Eat them straight from the oven with butter, or use to sop up your favourite stew or soup. How about olives, feta, sun dried tomatoes or garlic? Go crazy and come up with a gourmet creation of your own!

WINTER WARMING DUMPLINGS

Who can remember Grandma making a hearty winter stew or soup and just before serving popping some dough balls on the top to make fat, fluffy gravy soaked dumplings? I certainly can, and I for one want to keep this tradition alive.

You'll need:

- 4 cups of self raising flour.
- 1 can or bottle of beer.
- 1 tspn dried chives.
- 1 tblspn olive oil.

What to do:

1. In a large mixing bowl add the flour, make a well in the middle, add the chives and oil. Pour the beer in and with a butter knife cut the ingredients together.
2. When the ingredients are well combined turn out onto a floured surface and gently shape the dough into a log. Cut small pieces off and shape into balls about the size of a golf ball or smaller. This quantity of ingredients will make about 24 dumplings.
3. About 15 minutes before you're ready to serve your stew or soup, open up the Hillbilly, place the dough balls on the surface and cover with the lid. Cook for about 5 minutes then remove lid and turn dumplings over, cover and cook for remaining 10 minutes. One dumpling per person is usually enough but they are so darn good you may find you will have to allow for a couple. Get creative and have fun!

ENGEL

www.engelaustralia.com.au

NOTES/CHECKLIST

Phone: 1300 302 653 Fax: 1300 236 435
Email: admin@engelaustralia.com.au

Your Local Distributor

We need your help!

For more information on Malcolm Douglas' Kimberley Bilby Rescue project and how you can help save this critically endangered species, visit the website

www.bilbyrescue.com

BILBY RESCUE

Proud Supporter of the Kimberley Bilby Rescue Expedition

Visit www.engelaustralia.com.au to see the RRPs of the entire Engel range.

SPECIFICATIONS IN THIS CATALOGUE ARE SUBJECT TO CHANGE WITHOUT NOTIFICATION